ELSEVIER

Journal of Electroanalytical Chemistry 390 (1995) 147

JOURNAL OF ELECTROANALYTICAL CHEMISTRY

Author index

Agraz, R. 47
Andreu, R. 115
Anson, F.C. 11

Bart, J.C. 11
Bes, M.T. 69
Bi, S. 1
Bräuchle, C. 83

Calvente, J.J. 115
Camacho, L. 21

De Lacey, A.L. 69
Domínguez, M. 115
Du, S. 1

Fabrizio, M. 135
Fernández, V.M. 69
Fujishima, A. 77

Gao, H. 1
Gómez-Moreno, C. 69
Gutiérrez, C. 99

Hampp, N. 83
Hashimoto, K. 77
Hernandez, L. 47

Iwuoha, E.I. 35

Kamiya, N. 127
Kikkawa, T. 91
Kimura, N. 77
Kublanovsky, V.S. 143

Litovchenko, K.I. 143
Lyons, M.E.G. 35

Manduchi, C. 135
Márquez, J. 99
Márquez, O.P. 99
Mengoli, G. 135
Milli, E. 135
Muñoz, E. 21

Omata, K. 77
Ortiz, R. 99
Ota, K.-i. 91, 127

Rodríguez-Amaro, R. 21
Roldán, E. 115
Ruiz, J.J. 21

Saeki, T. 77
Sánchez-Maestre, M. 21
Sevilla, M.T. 47
Silber, A. 83
Smoliński, S. 109
Smyth, M.R. 35
Stezeryanskii, E.A. 143
Szklarczyk, M. 109

Wang, J.-R. 29
Wei, G.-L. 29
Wilde, C.P. 59

Yamazaki, O. 127
Yoshitake, H. 91, 127

Zannoni, G. 135
Zhang, M. 59

ELSEVIER

Journal of Electroanalytical Chemistry 390 (1995) 149–151

JOURNAL OF ELECTROANALYTICAL CHEMISTRY

Subject index

Ac cyclic oscillochronopotentiometry
Fourier spectrum of ac cyclic oscillochronopotentiometry responses (Bi et al.) 1
Acidity effects
Influence of solution acidity on the adsorption and charge transfer kinetics of parabanic acid reduction (Calvente et al.) 115
Ac impedance measurements
Influence of solution acidity on the adsorption and charge transfer kinetics of parabanic acid reduction (Calvente et al.) 115
Adsorbate effects
The influence of organic adsorbates on the UPD process. Oxidation of formic acid at UPD lead-modified platinum electrodes (Zhang, Wilde) 59
Adsorption
In situ radiotracer study of thiourea adsorption on n-Si (100) and p-Si (100) electrodes (Szklarczyk, Smoliński) 109
Influence of solution acidity on the adsorption and charge transfer kinetics of parabanic acid reduction (Calvente et al.) 115
Amperometric enzyme electrode
Amperometric enzyme electrode for $NADP^+$ based on a ferrodoxin–$NADP^+$ reductase and viologen-modified glassy carbon electrode (De Lacey et al.) 69
Amperometry
Solvent effects on the reactivities of an amperometric glucose sensor (Iwuoha et al.) 35
Anion effects
Effects of temperature and anion type on the two-dimensional condensation of the 4,4′-bipyridine cation radical on mercury (Sánchez-Maestre et al.) 21

4,4′-Bipyridine
Effects of temperature and anion type on the two-dimensional condensation of the 4,4′-bipyridine cation radical on mercury (Sánchez-Maestre et al.) 21

Carbon dioxide
Electrochemical reduction of CO_2 with high current density in a CO_2 + methanol medium. II. CO formation promoted by tetrabutylammonium cation (Saeki et al.) 77
FTIR spectroscopy study of the electrochemical reduction of CO_2 on various metal electrodes in methanol (Ortiz et al.) 99
Carbon monoxide
Electrochemical reduction of CO_2 with high current density in a CO_2 + methanol medium. II. CO formation promoted by tetrabutylammonium cation (Saeki et al.) 77
Charge transfer kinetics
Influence of solution acidity on the adsorption and charge transfer kinetics of parabanic acid reduction (Calvente et al.) 115
CO_2 reduction
Isotopic product distributions of CO_2 electrochemical reduction on a D flowing-out Pd surface in protonic solution and reactivities of "subsurface" hydrogen (Yoshitake et al.) 91
Cyclic voltametry
Voltammetric quantification and speciation of mercury compounds (Agraz et al.) 47
Cyclic voltammetry
FTIR spectroscopy study of the electrochemical reduction of CO_2 on various metal electrodes in methanol (Ortiz et al.) 99

Desorption
Absorption–desorption of deuterium at Pd95%–Rh5% alloy. I: environment and temperature effects (Mengoli et al.) 135
Deuterium absorption
Absorption–desorption of deuterium at Pd95%–Rh5% alloy. I: environment and temperature effects (Mengoli et al.) 135

Electrochemical reduction
Electrochemical reduction of CO_2 with high current density in a CO_2 + methanol medium. II. CO formation promoted by tetrabutylammonium cation (Saeki et al.) 77
Electron transfer
Coordination, electron transfer and catalytic chemistry of a ruthenium-substituted heteropolytungstate anion as revealed in its electrochemical behavior (Bart, Anson) 11
Electro-oxidation
The influence of organic adsorbates on the UPD process. Oxidation of formic acid at UPD lead-modified platinum electrodes (Zhang, Wilde) 59
Electro-oxidation of zinc diisooctyldithiophosphate (Stezeryanskii et al.) 143
Electroreduction
Effects of temperature and anion type on the two-dimensional condensation of the 4,4′-bipyridine cation radical on mercury (Sánchez-Maestre et al.) 21
FTIR spectroscopy study of the electrochemical reduction of CO_2 on various metal electrodes in methanol (Ortiz et al.) 99
Electroreduction mechanism
Influence of solution acidity on the adsorption and charge transfer kinetics of parabanic acid reduction (Calvente et al.) 115

Film growth
Kinetics of the transformation process of $PbSO_4$ to PbO_2 in a lead anodic film (Wang, Wei) 29
Formic acid
The influence of organic adsorbates on the UPD process. Oxidation of formic acid at UPD lead-modified platinum electrodes (Zhang, Wilde) 59
Fourier spectrum
Fourier spectrum of ac cyclic oscillochronopotentiometry responses (Bi et al.) 1

Glassy carbon electrode
Amperometric enzyme electrode for $NADP^+$ based on a ferrodoxin–$NADP^+$ reductase and viologen-modified glassy carbon electrode (De Lacey et al.) 69
Glucose biosensor
Electrocatalytic oxidation of reduced nicotinamide adenine dinucleotide (NADH) at thick-film gold electrodes (Silber et al.) 83

Glucose sensor
Solvent effects on the reactivities of an amperometric glucose sensor (Iwuoha et al.) 35

Hydrogen absorption
Hydrogen absorption and Li inclusion in a Pd cathode in LiOH solution (Yamazaki et al.) 127

IR spectroscopy
FTIR spectroscopy study of the electrochemical reduction of CO_2 on various metal electrodes in methanol (Ortiz et al.) 99
Isotopic distributions
Isotopic product distributions of CO_2 electrochemical reduction on a D flowing-out Pd surface in protonic solution and reactivities of "subsurface" hydrogen (Yoshitake et al.) 91

Keggin ions
Coordination, electron transfer and catalytic chemistry of a ruthenium-substituted heteropolytungstate anion as revealed in its electrochemical behavior (Bart, Anson) 11

Lead
The influence of organic adsorbates on the UPD process. Oxidation of formic acid at UPD lead-modified platinum electrodes (Zhang, Wilde) 59
Lead-acid battery
Kinetics of the transformation process of $PbSO_4$ to PbO_2 in a lead anodic film (Wang, Wei) 29
Ligand exchange
Coordination, electron transfer and catalytic chemistry of a ruthenium-substituted heteropolytungstate anion as revealed in its electrochemical behavior (Bart, Anson) 11
Li inclusion
Hydrogen absorption and Li inclusion in a Pd cathode in LiOH solution (Yamazaki et al.) 127

Mathematical model
Fourier spectrum of ac cyclic oscillochronopotentiometry responses (Bi et al.) 1
Mercury
Effects of temperature and anion type on the two-dimensional condensation of the 4,4′-bipyridine cation radical on mercury (Sánchez-Maestre et al.) 21
Mercury assay
Voltammetric quantification and speciation of mercury compounds (Agraz et al.) 47
Modified carbon electrodes
Voltammetric quantification and speciation of mercury compounds (Agraz et al.) 47

NADH
Electrocatalytic oxidation of reduced nicotinamide adenine dinucleotide (NADH) at thick-film gold electrodes (Silber et al.) 83
β-Nicotinamide adenine dinucleotide phosphate
Amperometric enzyme electrode for $NADP^+$ based on a ferrodoxin–$NADP^+$ reductase and viologen-modified glassy carbon electrode (De Lacey et al.) 69

Organic phase biosensors
Solvent effects on the reactivities of an amperometric glucose sensor (Iwuoha et al.) 35
Organometalllic compounds
Voltammetric quantification and speciation of mercury compounds (Agraz et al.) 47

Parabanic acid
Influence of solution acidity on the adsorption and charge transfer kinetics of parabanic acid reduction (Calvente et al.) 115
PbO_2
Kinetics of the transformation process of $PbSO_4$ to PbO_2 in a lead anodic film (Wang, Wei) 29
$PbSO_4$
Kinetics of the transformation process of $PbSO_4$ to PbO_2 in a lead anodic film (Wang, Wei) 29
Pd electrode
Hydrogen absorption and Li inclusion in a Pd cathode in LiOH solution (Yamazaki et al.) 127
Pd membrane
Isotopic product distributions of CO_2 electrochemical reduction on a D flowing-out Pd surface in protonic solution and reactivities of "subsurface" hydrogen (Yoshitake et al.) 91
Pd–Rh alloy
Absorption–desorption of deuterium at Pd95%–Rh5% alloy. I: environment and temperature effects (Mengoli et al.) 135
Platinum electrodes
The influence of organic adsorbates on the UPD process. Oxidation of formic acid at UPD lead-modified platinum electrodes (Zhang, Wilde) 59
Potentiostatic oxidation
Kinetics of the transformation process of $PbSO_4$ to PbO_2 in a lead anodic film (Wang, Wei) 29

Radiotracers
In situ radiotracer study of thiourea adsorption on n-Si (100) and p-Si (100) electrodes (Szklarczyk, Smoliński) 109
Reactivity
Solvent effects on the reactivities of an amperometric glucose sensor (Iwuoha et al.) 35
Redox catalysts
Coordination, electron transfer and catalytic chemistry of a ruthenium-substituted heteropolytungstate anion as revealed in its electrochemical behavior (Bart, Anson) 11
Reduction
In situ radiotracer study of thiourea adsorption on n-Si (100) and p-Si (100) electrodes (Szklarczyk, Smoliński) 109

Silicon electrodes
In situ radiotracer study of thiourea adsorption on n-Si (100) and p-Si (100) electrodes (Szklarczyk, Smoliński) 109
Solvent effects
Solvent effects on the reactivities of an amperometric glucose sensor (Iwuoha et al.) 35

Temperature effects
Effects of temperature and anion type on the two-dimensional condensation of the 4,4′-bipyridine cation radical on mercury (Sánchez-Maestre et al.) 21
Tetrabutylammonium cation
Electrochemical reduction of CO_2 with high current density in a CO_2 + methanol medium. II. CO formation promoted by tetrabutylammonium cation (Saeki et al.) 77
Thick-film gold electrodes
Electrocatalytic oxidation of reduced nicotinamide adenine dinucleotide (NADH) at thick-film gold electrodes (Silber et al.) 83
Thiourea
In situ radiotracer study of thiourea adsorption on n-Si (100) and p-Si (100) electrodes (Szklarczyk, Smoliński) 109
Two-dimensional condensation
Effects of temperature and anion type on the two-dimensional condensation of the 4,4′-bipyridine cation radical on mercury (Sánchez-Maestre et al.) 21

Underpotential deposition
The influence of organic adsorbates on the UPD process. Oxidation of formic acid at UPD lead-modified platinum electrodes (Zhang, Wilde) 59

Viologens
Amperometric enzyme electrode for $NADP^+$ based on a ferrodoxin–$NADP^+$ reductase and viologen-modified glassy carbon electrode (De Lacey et al.) 69

Zinc diisooctyldithiophosphate
Electro-oxidation of zinc diisooctyldithiophosphate (Stezeryanskii et al.) 143